



Charles D. Baker, Governor  
Karyn E. Polito, Lieutenant Governor  
Stephanie Pollack, MassDOT Secretary & CEO



April 30, 2021

Karl Iagnemma  
Motional, Inc.  
100 Northern Avenue  
Suite 200  
Boston, MA 02210

Dear Mr. Iagnemma –

This letter serves as the Massachusetts Department of Transportation's (MassDOT) approval of Motional, Inc.'s Application to Test Automated Driving Systems on Public Ways in Massachusetts, including the submitted Operational Design Domain and Testing Plan. Should Motional find a need to deviate from or expand upon the Operational Design Domain or Testing Plan, we expect revised documentation to be submitted. **This approval is effective from January 31, 2020 through January 31, 2022.**

The following **test drivers** are approved to operate nuTonomy's vehicles:

- |                  |                       |
|------------------|-----------------------|
| 1. Alex Kuzmin   | 6. Navin Seshadri     |
| 2. Daniel Srey   | 7. Robert Rupp        |
| 3. Edward Helmes | 8. Samuel Bernardon   |
| 4. Mauro Aguiar  | 9. Karthik Pythireddi |
| 5. Melissa Phung |                       |

The following **test vehicles** are permitted for nuTonomy's use:

1. 2018 Chrysler Pacifica (VIN \*\*\*\*8528)
2. 2018 Chrysler Pacifica (VIN \*\*\*\*6798)
3. 2021 Hyundai Ioniq 5 (VIN \*\*\*\*8010) MI 088M559
4. 2021 Hyundai Ioniq 5 (VIN \*\*\*\*8011) MI 088M543
5. 2021 Hyundai Ioniq 5 (VIN \*\*\*\*8012) MI 088M565
6. 2021 Hyundai Ioniq 5 (VIN \*\*\*\*8013) MI 088M564
7. 2021 Hyundai Ioniq 5 (VIN \*\*\*\*8014) MI 088M562

The aforementioned test drivers may test the permitted vehicles in the following **jurisdictions**:

1. City of Boston
  - a. Within the City of Boston on City- and MassDOT-owned or managed roadways with a speed limit of 35 mph or lower
  - b. Pilot service tests are *not* permitted



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Testing on roadways in the aforementioned jurisdictions may be conducted within the following **operational design domains**:

1. Time of Day
  - a. Any (daytime and nighttime hours)
2. Environmental Conditions
  - a. Clear and fair weather
  - b. Light rain and fog less than 5 mm/hr rate of rain and fog with limited impact on visibility
  - c. Moderate Rain and Fog: less than 10 mm/hr rate of rain and fog with limited to moderate impact on visibility
  - d. Heavy Rain and Fog: less than 20 mm/hr rate of rain and fog with moderate to high impact on visibility
  - e. Light Snow: less than or equal to 10 mm/hr rate of unmelted snowfall, and visibility of at least 1 km
  - f. Moderate Snow: greater than 10 mm/hr and less than or equal to 25 mm/hr rate of unmelted snowfall, and visibility of at least ½ km
  - g. Heavy Snow: greater than 25 mm/hr and less than 50 mm/hr rate of unmelted snowfall, and visibility of at least ¼ km
3. Road Typologies and Speeds
  - a. Local Roads, Collectors, and Arterials
  - b. Multimodal (mixed traffic)
  - c. Multiple Lanes
  - d. 35 mph maximum operating speeds
4. Situational Constraints
  - a. Construction, active work and school zones (no traffic officers or areas with temporary signals)

**Please keep this Letter of Approval inside the vehicles at all times.**

We appreciate your commitment to working in collaboration with the City of Boston and MassDOT to conduct safe and effective testing of autonomous vehicles, and we look forward to continued collaboration.